

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**April**

**2011**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**May 24, 2011**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

During the month of April, scattered areas received beneficial rain, but unseasonably warm and dry conditions prevailed over much of the San Angelo hydrologic service area (HSA). The San Angelo airport experienced its warmest April on record, while the Abilene airport observed its second warmest April on record. The warm and dry conditions were favorable for wildfires and several significant fires developed across the HSA.

Scattered thunderstorms were produced several times during the month. Some of these storms produced heavy rainfall that was beneficial. However, when these heavy rain showers develop over urban areas, flooding occurs. On the 24<sup>th</sup>, heavy rain repeatedly moved across the Abilene area causing streets, underpasses and low water crossings to flood. The Abilene airport reported 2.42 inches of rain from the event.

The U.S. Drought Monitor showed drought conditions intensifying across the HSA during the month. Portions of Sutton and Kimble Counties were experiencing exceptional drought by the end of April. Also, by the end of month, extreme drought conditions covered all but Coleman, Runnels, Taylor and Callahan Counties. These counties were depicted as experiencing severe drought conditions.

The average precipitation reported from coop observers in April was 0.64 of an inch. The highest monthly precipitation total of 1.67 inches was reported in Menard County. Coop observers in Coleman, Menard and Taylor Counties received over 1.5 inches of rainfall in April.

The San Angelo Regional Airport received 0.03 of an inch of precipitation during April, which was 1.57 inches below normal for the month. The monthly normal rainfall for San Angelo in April is 1.60 inches.

The Abilene Regional Airport received 2.44 inches of precipitation during April, which was 0.77 of an inch above normal for the month. The monthly normal rainfall for Abilene in April is 1.67 inches.

Junction received 0.59 of an inch of rain during April. The estimated average monthly rainfall for Junction in April is about two inches.

**Coop Observer Rainfall Totals for April, 2011:**

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	1.52		Mertzon 12WNW	0.37
Acton Ranch	0.05		Oak Creek Lake	T
Albany	0.85		Ozona 2	0.86
Anson	0.95		Ozona 22SE	0.39
Ballinger 2NW	0.55		Paint Rock	0.74
Brady	0.75		Putnam	1.33
Brownwood	1.09		Red Bluff Crossing	1.00
Burkett	1.55		Roscoe	0.07
Coleman	0.66		Rotan	0.32
Concho Park	0.66		San Angelo WFO	0.13
Eden	1.36		San Saba 7NW	1.00
Eldorado	0.93		Santa Anna 12SSE	0.90
Eldorado 10W	0.86		Silver Valley	1.51
Fort Griffin	0.38		Sonora	1.31
Fort McKavett	0.52		Stamford	0.12
Glen Cove 2NE	0.95		Sterling City	0.00
Hamlin	0.16		Taylor Ranch	0.42
Haskell	0.05		Throckmorton 7NE	0.12
Hords Creek	0.95		Water Valley	0.03
Humble Pump	0.17		Water Valley 11NE	0.00
Junction 4SSW	0.51		Winters	0.15
Mason	0.64		Woodson	0.79
Menard	1.67		(M) <i>Missing data</i>	
Merkel 12SW	0.06		(T) <i>Trace</i>	

**Reservoir Conditions (end of April, 2011)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	54,300	78
Lake Stamford	51,570	44,840	87
Hubbard Creek Lake	317,800	181,010	57
Hords Creek Lake	8,800	2,470	30
Lake Brownwood	131,428	72,710	55
E.V. Spence	488,760	9,200	2
O.C. Fisher	119,200	1,480	1
O.H. Ivie	554,340	158,600	29
Twin Buttes	177,800	29,740	16

**Hydro Products Issued**

FLS = 1 (Urban/Small Stream Advisory)

ESF = 2 (Probabilistic Fcst)

DGT = 1

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for April across the San Angelo HSA is depicted below.

